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WANSUPER® POE
(Polyolefin Elastomer)

by  **WANHUA**

**We are a Polymer trading company
focused on POE for extrusion.**

We are part of a family business group, with extensive expertise in the chemical sector since 1933. Our commitment to research and innovation allows us to provide top solutions for the Spanish and Portuguese markets.

+135M€

TURNOVER

+300

EMPLOYEES

+100

YEARS OF
EXPERTISE



CERTIFICADORA ACREDITADA POR **ENAC**



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CERTIFICADORA ACREDITADA POR **ENAC**

POE (Polyolefin Elastomer). Wansuper® POE

FEATURES

Ethylene and a-olefin Copolymer, low density, high rebound, excellent impact property.

APPLICATIONS

Impact modification, foam applications, waterproof and soundproofing applications

SECTOR

AUTOMOTIVE, WIRE & CABLE, SHOES AND CONSTRUCTION

Base	PRODUCT	PHISICAL		MECHANICAL					THERMAL	
		Melt index (2.16kg/190°C) g/10min	Density g/cm³	Tensile strenght at break (500mm/min) MPa	Elongation at break (500mm/min) MPa	Tear strenght (Type C)	Hardness (Shore A, 1 sec)	Hardness (Shore D, 1 sec)	Melting temperature °C	DSC Glass transition temperature
	TEST METHOD	ASTM D1238	ASTM D792	ASTM D638	ASTM D638	ASTM D624	ASTM D2240	ASTM D2240	Wanhua method	Wanhua method
Ethylene octene	5007	0,5	0,868	10	850	40	70	20	60	-55
	5017	1	0,870	10	950	39	69	19	65	-53
	5018	1	0,885	18	600	55	85	40	77	-45
	5057	5	0,870	6	1000	40	70	20	67	-54
	5015	1	0,857	6	1200	30	56	15	38	-58
	5136	13,5	0,865	3	900	26	60	13	59	-56
	5307	30	0,87	3,2	1000	30,5	70	18	64	-53
	5019	1	0,902	25	660	81	90	42	98	-32
	5039	3	0,902	24	750	90	91	42	100	-34
Ethylene butene	65016	1	0,862	2	750	25	55	15	34	-57
	65056	5	0,865	2	650	25	63	17	35	-53
	65057	5	0,875	5	800	35	70	18	59	-49
	65018	1,2	0,885	21	800	64	85	-	70	-40
	65037	3,6	0,870	3,2	>800	30	65	-	51	-51
	65038	3,6	0,885	12	>800	55	84	-	71	-41



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APPLICATIONS

Energy encapsulation for photovoltaic applications

SECTOR

PHOTOVOLTAIC

Photovoltaic grade	PRODUCT	PHISICAL		MECHANICAL					THERMAL		ELECTRICAL
		Melt index (2.16kg/190°C) g/10min	Density g/cm ³	Tensile strenght at break (500mm/min) MPa	Elongation at break (500mm/min) MPa	Tear strenght (Type C)	Hardness (Shore A, 1 sec)	Hardness (Shore D, 1 sec)	Melting temperature °C	DSC Glass transition temperature	Volume resistivity
	TEST METHOD	ASTM D1238	ASTM D792	ASTM D638	ASTM D638	ASTM D624	ASTM D2240	ASTM D2240	Wanhua method	Wanhua method	IEC60093
Ethylene octene	9057	5	0,872	10	1000	40	70	20	70	-52	>1.0E+15
	9147	14	0,873	4	1000	37	70	18	65	-53	>1.0E+15
Ethylene butene	69057	5	0,875	5	800	35	70	18	59	-51	>1.0E+15
	69147	14	0,875	3,3	800	30	70	18	57	-51	>1.0E+15



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APPLICATIONS

Film applications with gel control

SECTOR

FLEXIBLE PACKAGING

Base	PRODUCT	PHISICAL		MECHANICAL					THERMAL	
		Melt index (2.16kg/190°C) g/10min	Density g/cm ³	Tensile strenght at break (500mm/min) MPa	Elongation at break (500mm/min) MPa	Tear strenght (Type C)	Hardness (Shore A, 1 sec)	Hardness (Shore D, 1 sec)	Melting temperature °C	DSC Glass transition temperature
	TEST METHOD	ASTM D1238	ASTM D792	ASTM D638	ASTM D638	ASTM D624	ASTM D2240	ASTM D2240	Wanhua method	Wanhua method
Ethylene butene	F1084	1,2	0,885	21	800	64	85	-	70	--40
	F4074	3,6	0,87	3,2	800	30	65	-	51	-51
	F4084	3,6	0,885	12	800	55	84	-	71	-41

