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Technical Data Sheet

SIPOLPRENE® 68217 W

DESCRIPTION

Sipolprene® 68217 W is an ether ester thermoplastic elastomer (TPC-ET), developed and manufactured by Sipol, with a nominal hardness of Shore D 68, a high modulus and a rheological behaviour, which makes it suitable for injection moulding and extrusion processing.
Sipolprene® 68217 W comes in a dry blend UV-stabilised version.

TECHNICAL CHARACTERISTICS

PROPERTY	TEST METHOD	U.M.	VALUE
Density	ASTM D 792 | ISO 1183	g/cm^3	1,25
Hardness instantaneous / 15 s	ASTM D 2240 | ISO 868	Shore D	68/65
Stress at break	ASTM D 638 | ISO 527	MPa	54
Elongation at break	ASTM D 638 | ISO 527	%	450
Flexural modulus	ASTM D 790 | ISO 178	MPa	550
Tear strength	ASTM D 1004	N/mm	245
Melting temperature	ASTM D 3418 | ISO 11357-3	°C	217
Glass transition temperature	ASTM D 3418 | ISO 11357-2	°C	27
Vicat A/50	ASTM D 1525 | ISO 306	°C	208
Abrasion resistance	ASTM D 1044 (Taber H-18 1Kg)	mg/1000 rev	35
Water absorption (23°C x 24 h immersion)	MI 08	%	0,2
Viscosity - MFI 230°C 2.16 Kg	ASTM D 1238 | ISO 1133	g/10 min	20
Izod impact resistance/notched (23°C)	ASTM D 256 | ISO 180	J/m	No break
Izod impact resistance/notched (-40°C)	ASTM D 256 | ISO 180	J/m	15

PACKAGING

25 kg bags equipped with an aluminum film barrier against moisture action.
500 kg cardboard octabins equipped with an inner PE liner.

STORAGE

Product is stable for 12 months when stored unopened in its original packaging, kept in a cool and dry place and protected from light. When stocked around 5 – 10°C or below, it is recommended to keep it at 15 – 20°C for at least for 24 hours before using it.