

TECHNICAL DATA SHEET

PROVISIONAL

SIPOLPRENE® IP 644

DESCRIPTION

SIPOLPRENE® IP 644 is an ether ester thermoplastic elastomer (TPC-ET). It is an experimental product specially developed for applications where a low oxygen permeability is needed.

TECHNICAL CHARACTERISTICS

Properties	Test methods		U.M.	Product IP 644
	ASTM	ISO		
Density	D 792	1183	g/cm ³	1.12
Hardness (instantaneous)	D 2240	868	Shore D	36
Strength at break	D 638	527	MPa	22
Elongation at break	D 638	527	%	700
Melting Temperature	D 3418	3146	°C	200
Water absorption (23°C x 24 h immersion)	MI / 08		%	0.7
MFI 230°C 2.16 Kg	D 1238	1133	g/10 min	24
Izod impact resistance/notched (23°C)	D 256	-	J/m	No break

Last applicable edition of the Norm is valid as reference.

PACKAGING

Moisture proof bags of 25 kg net.
Octabins of 500 kg net with PE film inside

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