

ESPOLEX 4832

Thermoplastic Polyolefin Elastomer

Sumitomo Chemical America, Inc.

Message:

ESPOLEX 4832 is a Thermoplastic Polyolefin Elastomer (TPO (POE)) product. It can be processed by injection molding or profile extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of ESPOLEX 4832 include automotive and sheet.

General Information			
Uses	Automotive Applications		
	Automotive Instrument Panel		
	Profiles		
	Sheet		
Processing Method	Injection Molding		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.880	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/10.0 kg)	13	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	80		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	30.0	MPa	JIS K6251
Tensile Strength (Break)	11.0	MPa	JIS K6251
Tensile Elongation (Break)	710	%	JIS K6251
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -60.0	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Fogging ¹ (100°C)	> 80	%	ISO 5452
Optical	Nominal Value	Unit	Test Method
Yellowness Index	15	YI	ASTM D1925
Injection	Nominal Value	Unit	
Processing (Melt) Temp	188 to 238	°C	
NOTE			
1.	20 hrs, Gloss		

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