

EPIGUM DPE/87

Thermoplastic Vulcanizate

Crosspolimeri S.p.A.

Message:

EPIGUM DPE/87 is a thermoplastic elastomer.
EPIGUM DPE/87 is a dynamically crosslinked thermoplastic vulcanizate compound (TPV).

General Information			
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm ³	ASTM D792
Moisture	0.030	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	87		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	13.3	MPa	ASTM D638
Tensile Elongation (Break)	550	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tensile Set (100% Strain)	25	%	ASTM D412
Tensile Stress (100% Strain)	5.10	MPa	ASTM D412
Tear Strength ¹ (23°C)	61.3	kN/m	ASTM D624
Compression Set (100°C, 22 hr)	53	%	ASTM D395B
Aging	Nominal Value	Unit	Test Method
Change in Mass (121°C, 24 hr)	52	%	ASTM D471
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -57.0	°C	ASTM D746
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	2.0 to 3.0	hr	
Cylinder Zone 1 Temp.	180	°C	
Cylinder Zone 2 Temp.	185	°C	
Cylinder Zone 3 Temp.	190	°C	
Cylinder Zone 4 Temp.	200	°C	
Cylinder Zone 5 Temp.	215	°C	
Die Temperature	220	°C	
NOTE			
1.	Die C		

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