

EPIGUM DPE/50 D

Thermoplastic Vulcanizate

Crosspolimeri S.p.A.

Message:

EPIGUM DPE/50 D is a thermoplastic elastomer.
EPIGUM DPE/50 D is a TPV vulcanized rubber workable as thermoplastic compound.

General Information			
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.930	g/cm ³	ASTM D792
Moisture	0.030	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	23.0	MPa	ASTM D638
Tensile Elongation (Break)	710	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain)	13.0	MPa	ASTM D412
Tear Strength ² (23°C)	0.876	kN/m	ASTM D624
Compression Set (100°C, 22 hr)	63	%	ASTM D395B
Aging	Nominal Value	Unit	Test Method
Change in Mass (121°C, 24 hr)	65	%	ASTM D471
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		
2.	Die C		

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