

EPIGUM DPE/80 F

Thermoplastic Vulcanizate

Crosspolimeri S.p.A.

Message:

EPIGUM DPE/80 F is a thermoplastic elastomer.

EPIGUM DPE/80 F is a TPV vulcanized rubber workable as thermoplastic compound. Suitable also for food contact.

General Information			
Features	Food Contact Acceptable		
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)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	10.0	MPa	ASTM D638
Tensile Elongation (Break)	490	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tensile Set (100% Strain)	17	%	ASTM D412
Tensile Stress ¹ (100% Strain)	3.80	MPa	ASTM D412
Tear Strength ² (23°C)	43.8	kN/m	ASTM D624
Compression Set (100°C, 22 hr)	40	%	ASTM D395B
Aging	Nominal Value	Unit	Test Method
Change in Mass (121°C, 24 hr)	65	%	ASTM D471
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -60.0	°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		
2.	Die C		

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