



Fusabond® N525

DuPont Packaging & Industrial Polymers - Ethylene Copolymer

Sunday, November 3, 2019

General Information

Product Description

DuPont™ Fusabond® N525 is an anhydride modified ethylene copolymer.

Uses

- Polymer Modifier

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Uses	• Plastics Modification		
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.882		ASTM D792
Density	0.880	g/cm ³	ISO 1183
Melt Mass-Flow Rate (190°C/2.16 kg)	3.7	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.7	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Break, 68°F ²	2030	psi	
Break, 73°F ³	870	psi	
Tensile Stress			
Break, 68°F	2030	psi	ISO 527-2/50
Break, 73°F	870	psi	ISO 527-2/500
Tensile Elongation			ASTM D638
Break, 73°F ²	590	%	
Break, 73°F ³	550	%	
Tensile Strain			
Break, 73°F	590	%	ISO 527-2/50
Break, 73°F	550	%	ISO 527-2/500
Flexural Modulus ⁴ (73°F)	3190	psi	ASTM D790
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	30		ASTM D2240
Shore Hardness (Shore D)	30		ISO 868
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-54.4	°F	ASTM D3418
Vicat Softening Temperature	108	°F	ASTM D1525
Vicat Softening Temperature	108	°F	ISO 306
Peak Melting Temperature	129	°F	ASTM D3418
Melting Temperature (DSC)	129	°F	ISO 3146
Melting Temperature ⁵	95.0	°F	ASTM D3418

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Additional Information	Nominal Value	Unit
Maximum Processing Temperature	290	

Notes

¹ Typical properties: these are not to be construed as specifications.

² Type IV, 2.0 in/min

³ Type IV, 20 in/min

⁴ 0.050 in/min

⁵ Crystalline