

TOTAL Polyethylene HDPE 9658

High Density (MMW) Polyethylene

TOTAL Refining & Chemicals

Message:

TOTAL Polyethylene 9658 is a High Density Polyethylene material. It is available in North America for extrusion.

Important attributes of TOTAL Polyethylene 9658 are:

REACH Compliant

Good Processability

Heat Resistant

High Stiffness

Typical applications include:

Fabrics/Fibers

Adhesives/Tapes

Film

General Information			
Features	Good Processability		
	High Density		
	High Stiffness		
	Med.-Wide Molecular Weight Distrib.		
	Medium Heat Resistance		
	Medium Molecular Weight		
Uses	Fabrics		
	Film		
	Monofilaments		
	Tape		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.958	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.64	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	ASTM D882A
Secant Modulus ¹			
1% Secant, MD	986	MPa	
1% Secant, TD	1390	MPa	ASTM D882A
Tensile Strength ²			
MD : Yield	29.0	MPa	
TD : Yield	29.0	MPa	

MD : Break	49.6	MPa	
TD : Break	29.0	MPa	
Tensile Elongation ³			ASTM D882A
MD : Break	460	%	
TD : Break	< 10	%	
Elmendorf Tear Strength			ASTM D1922
MD	16	g	
TD	850	g	
Water Vapor Transmission Rate (38°C)	8.5	g/m ² /24 hr	ASTM F1249
Extrusion	Nominal Value	Unit	
Melt Temperature	193 to 216	°C	
NOTE			
1.	25 mm/min		
2.	510 mm/min		
3.	510 mm/min		

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