TRICOLENE HDPE HDF2285

Polyethylene:
- High Molecular Weight
- HDPE Bimodal Film Resin

Characteristics
- Broad molecular weight distribution
- Excellent tear strength
- Exceptional impact strength
- Excellent processability

Applications
- T-shirt sacks
- Trash can liners
- Merchandise bags
- Multi-wall liner
- Deli wrap

Resin Properties [1]	Typical Value	ASTM Method
Melt Flow Index, g/10 min		D-1238
190°C/2.16 kg	0.08	
190°C/5 kg	0.32	
190°C/21.6 kg (HLMI)	11.0	
Density, g/cm^3	0.951	D-792
Melting Point, °F	270	D-3417

Film Properties [1][2]	Typical Value	ASTM Method
Dart Impact, g	350	D-1709, A
Elmendorf Tear, g		D-1922
Machine Direction (MD)	24	
Transverse Direction (TD)	120	
Tensile Strength at Yield, psi		D-882, A, 20 in/min
MD	5300	
TD	5000	
Tensile Strength at Break, psi		D-882, A, 20 in/min
MD	9200	
TD	9800	
Elongation at Break, %		D-882, A, 20 in/min
MD	300-500	
TD	300-500	
Secant Modulus of Elasticity		D-882, A, 20 in/min
@ 2% strain, psi		
MD	122000	
TD	132000	
WVTR[3] @ 100°F, g/100 in^2/day	0.8	E 96/66

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