

Trilene® RE20WL

Polypropylene Random Copolymer

Chandra Asri Petrochemical

Message:

RE20WL is a polypropylene random copolymer for production of woven cloth & BOPP lamination.
This grade uses Unipol® polypropylene technology with latest catalyst technology.

General Information			
Features	Rigid, good		
	Workability, good		
	High liquidity		
	Random copolymer		
Uses	Bi-axially Oriented Film		
	Laminate		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Particle		
Processing Method	Film extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.895	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	22	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	65		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	20.0	MPa	ASTM D638
Tensile Elongation (Yield)	15	%	ASTM D638
Flexural Modulus - 1% Secant ²	730	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	65	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	65.0	°C	ASTM D648
Vicat Softening Temperature	121	°C	ASTM D1525 ³
Peak Melting Temperature ⁴	144	°C	ASTM D3418
Extrusion	Nominal Value	Unit	
Melt Temperature	270 - 320	°C	
Extrusion instructions			
Cooling Temperature: 20 to 35°C			
NOTE			

1.	50 mm/min
2.	1.3 mm/min
3.	标准 B (120°C/h)
4.	10°C/min, 2 min

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