



Application/Uses

- Films
- Flexible Packaging
- Disposable Gloves
- IV Containers
- Tubing
- Wound Care

Key Attributes

- Good adhesion or compatibility to various substrates
- Good heat & RF sealing
- High slip & antiblock
- Soft, flexible, tough without plasticizers

Product Description

EMAC resins adhere to and are compatible with a wide range of materials including paper, polyolefins, oriented polyolefins, polyesters, ionomers, PVdC, unplasticized PVC and other polar polymers. For use as heat seal layer, adhesive layer, or modifier for cost/performance enhancement. They are soft, pliable and tough at ambient and freezing temperatures and exhibit excellent ESCR. These polymers exhibit high solids fillability and compatibility with a wide range of polymers. This facilitates their uses as bases for all-purpose concentrates for addition to a wide spectrum of polymers. They process like LDPE.

Typical Physical Properties (Preliminary)

<u>Property^a</u>	<u>Test^b Method</u>	<u>Typical Value, Units^c</u>
Melt Index (Condition 190°C/2.16 kg)	D 1238	2.1 g/10 min
Density	D 1505	943 kg/m ³ (0.943 g/cm ³)
Vicat Softening Temperature	D 1525	56°C (133°F)
Methyl Acrylate Content		17%
Melting Point by DSC	D 3418	82°C (180°F)
Brittleness Temperature	D 746	<-73°C (<-99°F)
Durometer Hardness Shore D Scale	D 2240	37
Tensile Stress @ Break 500 mm/min (20 in./min)	D 638 Type IV Specimen	12 MPa (1700 psi)
Elongation @ Break 500 mm/min (20 in./min)	D 638 Type IV Specimen	730%
Haze	D 1003	53%
Gloss @ 45°	D 2457	15
Dart Impact	D 1709A	300 g
Seal Initiation Temperature	Westlake	70°C (158°F)
Elmendorf Tear Resistance	M.D. D 1922	53 gf
	T.D. D 1922	335 gf
Tensile Strength @ Break	M.D. D 822	21 MPa (3025 psi)
	T.D. D 822	16 MPa (2320 psi)
Elongation @ Break	M.D. D 822	330%
	T.D. D 822	655%
Tensile Modulus, 1% Secant	M.D. D 822	56 MPa (8130 psi)
	T.D. D 822	59 MPa (8570 psi)

^a Unless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.

^b Unless noted otherwise, the test method is ASTM.

^c Units are in SI or US customary units.

Applications

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Conditions

Extrusion conditions used to produce 1.5 mil (0.038 mm) film include a 2.4:1 blow-up ratio and 5 lb/hr/inch die output.

Comments

Properties reported here are based on limited testing. Westlake makes no representation that the material in any particular shipment will conform exactly to the values given

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