Unitika elitel UE3231 Polyester, Flake

Category : Polymer , Thermoplastic , Polyester, TP

Material Notes:

Molecular weight higher than UE3230, Improved solubilityUNITIKA elitel resins are thermoplastic saturated copolymeric polyester resins. Elitel resins are expanding their applications from products such as adhesives, paints, ink binders, and modifying agents to the products in new-generation high-tech fields.Characteristics:elitel products have superior adhesiveness and coatability. They exhibit excellent adhesiveness and coatability to films and molded products of plastic materials such as polyester, polyvinylchloride, polycarbonate, and cellulose acetate; steel materials such as steel plates; metal materials such as copper, and aluminum; woven or nonwoven fabrics from polyester and other fibers; papers, woods, and others.elitel products may be hardened by combined use of a hardening agent.Blending of an elitel resin with another elitel resin or a different resin provides alloys with more diversified resin properties. Additionally, elitel products are effective as a modifying resin for providing other resins with flexibility, coatability, toughness, and others. elitel resins form films excellent in flexibility, electrical properties, weather resistance, as well in appearance and transparency: elitel resins retain consistent quality with smaller change in quality over time They are also excellent hygienically.Information provided by Unitika Ltd.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Unitika-elitel-UE3231-Polyester-Flake.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in³	JIS K-6911
Moisture Absorption at Equilibrium	0.50 %	0.50 %	60%RH
Viscosity	45 cP @Temperature 200 °C	45 cP @Temperature 392 °F	Melt
Viscosity Measurement	0.76	0.76	Limiting Viscosity
Molecular Weight	23000 g/mol	23000 g/mol	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	28	28	
Tensile Strength at Break	1.00 MPa	145 psi	ASTM D638
Elongation at Break	1500 %	1500 %	ASTM D638

Thermal Properties	Metric	English	Comments
Softening Point	120 °C	248 °F	JIS K-2531
Glass Transition Temp, Tg	3.00 °C	37.4 °F	

Electrical Properties	Metric	English	Comments

Electrical Properties	Metric	English	Comments
Dielectric Constant	6.0	6.0	ASTM D150
Dissipation Factor	0.065	0.065	ASTM D150

Chemical Properties	Metric	English	Comments
Acid Value	1.0	1.0	[mgKOH/g}

Descriptive Properties	Value	Comments
Appearance	Yellowish green	
Hydroxyl Value	4 mgKOH/g	

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