elitel UE3370

Thermoplastic Copolyester Elastomer

UNITIKA Plastics Division

Message:

UNITIKA elitel resins are thermoplastic saturated copolymeric polyester resins. With the various excellent properties, 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 compared to various materials. They exhibit excellent adhesiveness and coatability to a variety of materials: 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. In this manner, the excellent hardness, film properties, and heat-resisting properties may be further improved.
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

General Information	
Features	Pure/High Purity
	Low molecular weight
	High strength
	Copolymer
	Good electrical performance
	Good flexibility
	Good adhesion
	Good weather resistance
	Heat resistance, high
	Good toughness
	Extended tensile rate
	Excellent appearance
	Medium transparency
Uses	Films
	Mixing
	Coating application
	Adhesive
Appearance	Yellow
Forms	flake

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm³	ASTM D792
Water Absorption (equilibrium, 25°C, 60% RH)	0.30	%	ASTM D570

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	70		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Glass Transition Temperature	53.0	°C	DSC
Additional Information			

Molecular Weight, VPO Method: 7000Hydroxyl Value: 18 mgKOH/gAcid Value: 3 mgKOH/g

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