



PRODUCT: IOTALK PPL

DESCRIPTION: IOTALK PPL is a highly lamellar talc product. It is suitable for Poly-Propylene and Poly-Ethylene applications.

MINERALOGY:	Talc	>98.0 %
	Chlorite	< 1.5 %
	Calcite	trace
	Quartz	trace
	Asbestos	not detected

CHEMICAL ANALYSIS:	SiO ₂	min 61.0 %
	MgO	min 31.0 %
	CaO	max 0.3 %
	Fe ₂ O ₃	max 0.3 %
	Al ₂ O ₃	max 0.3 %
	HCl soluble content	max 1.5 %
	Loss on ignition [at 1000 °C]	max 6.0 %

PHYSICAL PROPERTIES OF THE RAW MATERIAL:	Density (ISO 787/10)	2.75 g/ml
	Hardness (Mohs)	1
	Refractive index	1.57

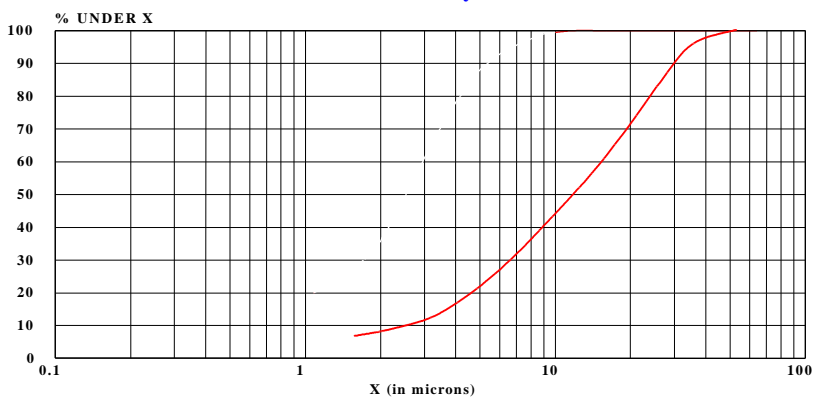
PHYSICAL PROPERTIES OF THE PRODUCT:

- D98 = 42.0 microns
- D90 = 30.0 microns
- D80 = 23.0 microns
- D60 = 17.0 microns
- D50 = 13.0 microns
- D20 = 4.5 microns

Dry Sieving Test
(ALPINE)

- > 32 microns.....7.5%
- > 40 microns.....1.5%
- > 63 microns.....0.2%

Particle Size Distribution Checked by SEDIGRAPH 5100



Bulk density (ISO 787/11)	1.00 g/ml
Loose bulk density	0.65 g/ml
Specific Surface (BET)	6.2 m ² /g
Oil Absorption	26 g/100g
pH (ISO 787/9)	8
Moisture content (ISO 782/2)	≤ 0.2 %

OPTICAL PROPERTIES:	DataColorSF600+ (d8°;C/2°)-DorfnerPress: 2.5bar
	L : min 95.75
	a : max -0.15
	b : max 2.20

The above values are based on measurements carried out according to our quality assurance system and thus must not be considered as