



AGS ORGANICS PVT. LTD.

Mfg & Expt of Organics, Inorganic & Emulsion Pigments

PIGMENT RED 170

Technical Data Sheet

Product Description

| | | | |
|-------------------|---|------------------|--------------------------|
| CI Generic Name | Pigment Red 170 | Ags Product Code | AGSSUPERRED PL142 |
| CI No. | 12 475 | CAS No. | 2786-76-7 |
| EINECS No. | 220-509-3 | Chemical Type | Naphthol AS |
| Molecular Formula | C26H22N4O4 | Molecular Weight | 455 |
| Chemical Name | 2-Naphthalenecarboxamide,4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxy | | |

Physical Properties

| | | | |
|-------------------------|-------------------|----------------------|---|
| Sieve Residue (PPM) | 1000 Max | Oder | Odorless |
| Oil Absorption (ml/gms) | 55-70 | Melting point/range | 315-325°C |
| Bulk Density (ml/gms) | 20-35 | Flash Piont | Not Applicable |
| Salt Content | 1.0% Max | Flammability | Non-flammable |
| Moisture Content | 1.0% Max | Ignition Temperature | Not Applicable |
| PH Value | 5.5-8.0 | Danger of explosion | Not explosive. Dust can form an explosive mixture with air |
| Form | Powder | Solubility in water | Insouluble |
| Color | Bluish Red | Vapour Pressure | Not Applicable |

Fastness Properties & Solvent Properties

| | | | | |
|------------------------|------------------------|------------------|--------------|--------------|
| Heat Resistance (Mass) | 260°C for 5 Min | Weather Fastness | Mass: | Tint: |
| Heat Resistance (Tint) | 220°C for 5 Min | Migration | 3-4 | |
| Light Fastness (Mass) | 8 | Acid | 5 | |
| Light Fastness (Tint) | 7-8 | Alkali | 5 | |

Application

| | |
|------------------------|---|
| PVC | - |
| LDPE, LLDPE, HDPE | - |
| PP | * |
| PAN Spin Dyeing | * |
| Plastic Master Batches | * |
| Polyolefin | * |

Specification (Rules)

| | | |
|----------------------------|---------------------------------------|---|
| Colorist Properties | Strength: $\pm 5\%$ | DA, DB, DE, DC, DH, DL: $\leq \pm 1.00$ |
| Light fastness | Scale 1-8 | 1=Poor & 8=Excellent |
| Weather Fastness | Scale 1-5 | 1=Poor & 5=Excellent |
| Overspray | Scale 1-5 | 1=Poor & 5=Excellent |
| Solvent Fastness | Scale 1-5 | 1=Poor & 5=Excellent |

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